

Work Order ID 89001***89001***

Page 1

Wednesday, August 15, 2012 11:56:58 AM

Item ID: D205-770-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Replacement Engine Mount

Stop ***NS2***

Start Date: 8/15/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 8/16/2012 Req'd Qty: 1.00

1

Customer: CU-DAR001

Reference: RMA RA111406 - RETURN

Approvals: Process Plan: *mf*

Date: 12-08-1

Tooling:

Date:

Run Start ***NR1***

QC:

Date:

SPC (Y/N):

Date:

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
DSI 9571	B								
IIN D205-770	Rev C								

100

0.00

100

QC

Quality Control

Memo

0.00

D205-770-011 B 81723 CHG004

PART DROP SHIPPED FROM EAGLE COPTERS TO SKYLINE TO
SUPPORT AN AOG SITUATION. PART WAS NEVER INSTALLED AND
WAS NEW

QA WILL SIGN OFF

110

QC21- Final Inspection - Work Order Release

0.00

110

QC

Quality Control

Memo

0.00

mf 12-08-15DAS
29
89

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____				DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>		AGAINST DEPARTMENT/PROCESS <div style="display: flex; justify-content: space-between;"> <div> Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Thermoforming <input type="checkbox"/> Large Fab <input type="checkbox"/> </div> <div> Crosstube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/> Composite <input type="checkbox"/> </div> <div> Water Jet <input type="checkbox"/> Prod. Eng. Coord. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/> Supplier <input type="checkbox"/> </div> <div> Engineering <input type="checkbox"/> Quality <input type="checkbox"/> Other <input type="checkbox"/> </div> </div>					
Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector		
Doc/Data											
Equip/Tooling											
Operator											
Material											
Setup											
Other											
Process											
Supplier											
Training											
Unapproved											

FAULT CATEGORY											
Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube			General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio			<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions			<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge		<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other

Picklist Print

Wednesday, August 15, 2012 11:56:57 AM

Page 1

Work Order ID: 89001

Parent Item: D205-770-011

Start Date: 8/15/2012

Required Date: 8/16/2012

Parent Item Name: Replacement Engine Mount

Start Qty: 1.00

Required Qty: 1.00

Comments: IPP Rev:A new issue ECN1165p 08-03-31 DD verified by:EC IPP REV:B 11.12.05 PER ECN11-676 DD VERF:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D205-770-011 Replacement Engine Mount		Manufactured	No				Each	0.0000		1			

81723 x1

QMF
72-08-15-

NCR: Yes / No

WORK ORDER NON-CONFORMANCE / UPDATE

DQA: _____ Date: _____

QA Closed: _____ Date: _____

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/> Work Order Update <input type="checkbox"/>	AGAINST DEPARTMENT/PROCESS <table style="width: 100%;"> <tr> <td>Skid-tube <input type="checkbox"/></td> <td>Crosstube <input type="checkbox"/></td> <td>Water Jet <input type="checkbox"/></td> <td>Engineering <input type="checkbox"/></td> </tr> <tr> <td>Machining <input type="checkbox"/></td> <td>Small Fab <input type="checkbox"/></td> <td>Prod. Eng. Coord. <input type="checkbox"/></td> <td>Quality <input type="checkbox"/></td> </tr> <tr> <td>Thermoforming <input type="checkbox"/></td> <td>Finishing <input type="checkbox"/></td> <td>Rec/Store/Packaging <input type="checkbox"/></td> <td>Other <input type="checkbox"/></td> </tr> <tr> <td>Large Fab <input type="checkbox"/></td> <td>Composite <input type="checkbox"/></td> <td>Supplier <input type="checkbox"/></td> <td></td> </tr> </table>	Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>	Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>	Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>	Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>	
Skid-tube <input type="checkbox"/>	Crosstube <input type="checkbox"/>	Water Jet <input type="checkbox"/>	Engineering <input type="checkbox"/>															
Machining <input type="checkbox"/>	Small Fab <input type="checkbox"/>	Prod. Eng. Coord. <input type="checkbox"/>	Quality <input type="checkbox"/>															
Thermoforming <input type="checkbox"/>	Finishing <input type="checkbox"/>	Rec/Store/Packaging <input type="checkbox"/>	Other <input type="checkbox"/>															
Large Fab <input type="checkbox"/>	Composite <input type="checkbox"/>	Supplier <input type="checkbox"/>																

Root Cause	Date	Step	Qty	Description of work order update or Non-conformance	Initial Chief Eng	Action Description	Sign & Date	Verification	QC Inspector
Doc/Data									
Equip/Tooling									
Operator									
Material									
Setup									
Other									
Process									
Supplier									
Training									
Unapproved									

FAULT CATEGORY

Landing Gear <input type="checkbox"/> Bending <input type="checkbox"/> Centre Not Concentric to O/S <input type="checkbox"/> Cracks <input type="checkbox"/> Crushed/Crimped. <input type="checkbox"/> Cuffs <input type="checkbox"/> Heat Treat <input type="checkbox"/> Inspection Strip in Tube <input type="checkbox"/> Ripples in Bend <input type="checkbox"/> Torque Waves in Extrusion <input type="checkbox"/> Turning Sequence <input type="checkbox"/> Wave/Twist in Tube	General <input type="checkbox"/> Bend <input type="checkbox"/> BOM/Route <input type="checkbox"/> Broken/Damaged <input type="checkbox"/> Burrs <input type="checkbox"/> Contamination <input type="checkbox"/> Countersink <input type="checkbox"/> Cut Too Short <input type="checkbox"/> Drill Holes <input type="checkbox"/> Drawing <input type="checkbox"/> Finish <input type="checkbox"/> Folio	<input type="checkbox"/> Grain <input type="checkbox"/> Hardware <input type="checkbox"/> Inspection Incomplete <input type="checkbox"/> Instructions Incomplete/Unclear <input type="checkbox"/> Maintenance <input type="checkbox"/> Mislabeled <input type="checkbox"/> Misread <input type="checkbox"/> Offset <input type="checkbox"/> Out of Calibration <input type="checkbox"/> Out of Sequence <input type="checkbox"/> Outside Dimensions	<input type="checkbox"/> Ovalized <input type="checkbox"/> Over/Under tolerance <input type="checkbox"/> Part Incorrect <input type="checkbox"/> Part Lost/Missing <input type="checkbox"/> Part Moved <input type="checkbox"/> Positioned Wrong <input type="checkbox"/> Power Loss/Surge	<input type="checkbox"/> Pressure/Forced <input type="checkbox"/> Temperature/Cure <input type="checkbox"/> Weld <input type="checkbox"/> Wrong Stock Pulled <input type="checkbox"/> Other
------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

1. Approving Civil Aviation Authority/Country: Transport Canada		2. AUTHORIZED RELEASE CERTIFICATE FORM ONE				3. Form 1 - Issue 1 80107961
4. Organizations Name and Address:		DART AEROSPACE LTD 1270 Aberdeen Street Hawkesbury, ON, K6A 1K7 Canada		Tel: 1 613 632 5200 Fax: 1 613 632 5246 www.dartaero.com		5. Work Order/Part Number P0111004-1
6. Item:	7. Description:	8. Part No:	9. Quantity:	10. Serial/Batch No:	11. Status/Work:	
1	Replacement Engine Mount	D205-770-011	1	B81723	New	
12. Remarks: TC STC SH08-8 Issue 1, FAA STC SR02690NY 09/04/17, FAA STC SR02070SE 10/06/10, EASA STC EASA.IM.R.S.01528 09/02/26 <div style="font-size: 1.2em; transform: rotate(-15deg); opacity: 0.7;"> Document UPDATED TO REFLECT NEW CUSTOMER TRACEABILITY & SKYLINE HELICOPTERS </div>						
13a. Certifies that the items identified above were manufactured in conformity to: <input checked="" type="checkbox"/> Approved design data and are in a condition for safe operation. <input type="checkbox"/> Non-approved design data specified in Block 12.			14a. <input type="checkbox"/> CAR 571.10 Maintenance Release <input type="checkbox"/> Other regulations specified in Block 12 Certifies that unless otherwise specified in Block 12, the work identified in Block 11 and described in Block 12 has been performed in compliance with the Canadian Aviation Regulations.			
13b. Signature: <i>Ruth Molnar #236</i>		13c. Approved Organization Number: 9-89		14b. Signature: N/A		
13d. Name: Ruth Molnar		13e. Date (dd/mmm/yyyy): 01/May/2012		14c. Approved Organization Number: N/A		
				14d. Name: N/A		
				14e. Date (dd/mmm/yyyy): N/A		
(Previously form 24-0078) Important: See notes						
This certificate does not constitute authority to install. Installer Responsibilities						
Installers working in accordance with the national regulations of a country other than that specified in block 1 must ensure that their regulations recognize certifications from the country specified.						
Statements in blocks 13a or 14a do not constitute installation certification. In all cases, the technical record for the aircraft must contain an installation certification issued in accordance with the applicable national regulations before the aircraft may be flown.						

Work Order ID 81723

81723

Page 1

March-16-12 3:14:56 PM

Item ID: D205-770-011

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Replacement Engine Mount

Stop

NS2

Start Date: 16/03/2012 Start Qty: 2.00

2

Cust Item ID:

Required Date: 23/04/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals:

Process Plan: MLJ

Date: 12/03/12

Tooling:

Date:

Run

Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Tool ID

Tool #

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

DSI 9571

B

IIN D205-770

Rev C

YCP

100

0.00

100

DOCUMENT CONTROL

DC

Memo

0.00

Document Control

Photocopy bluefile and create labels per PPP D205-770-011 CHG004

SP

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

2x SP

SP
D-04-10

REFERENCE ONLY

MLJ 12-4-10

Work Order ID 81723

March-16-12 3:14:56 PM

81723

Page 2

Item ID: D205-770-011

Accept

N900040100Setup Start ***NS1***

Revision ID:

Item Name: Replacement Engine Mount

Stop ***NS2***

Start Date: 16/03/2012 Start Qty: 2.00

2

Cust Item ID:

Required Date: 23/04/2012 Req'd Qty: 2.00

2

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

120

QC4- 100% Inspect kits for completeness

0.00

120

QC

Memo

0.00

Sizladu

Quality Control

VERIFY ASSEMBLY OF TRIPOD

130

0.00

130

Packaging

Packaging

Memo

0.00

Packaging

Identify and pack for shipping as per PPP D205-770-011

Location: 43PPP Rev: E

140

QC21- Final Inspection - Work Order Release

0.00

140

QC

Memo

0.00

Quality Control

12/4/12 JJ

MF
12-04-11

Picklist Print

March-16-12 3:15:00 PM

Page 1

Work Order ID: 81723

81723

Parent Item: D205-770-011

D205-770-011

Parent Item Name: Replacement Engine Mount

Start Date: 16/03/2012

Required Date: 23/04/2012

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A new issue ECN1165p 08-03-31 DD verified by:EC IPP REV:B
11.12.05 PER ECN11-676 DD VER:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

MS21042-3		Purchased	No			110	Each	19.0000	2	4			
-----------	--	-----------	----	--	--	-----	------	---------	---	---	--	--	--

**

MS21042-3

USE MS21042L3

Location

Loc Qty

Loc Code

ST299

19

114597

19

MS21250-03014

Purchased

No

110

Each

14.0000

2

4

**

MS21250-03014

BOLT

Location

Loc Qty

Loc Code

ST305

14

119902

14

D3684-043

Manufactured

No

110

Each

0.0000

**

D3684-043

MOUNT ASSEMBLY

D3684-045

Manufactured

No

110

Each

0.0000

**

D3684-045

LEG ASSEMBLY

D3692-1

Manufactured

No

110

Each

177.0000

**

D3692-1

SPACER

Location

Loc Qty

Loc Code

ST061

177

51467

16

73232

61

78607

60

80364

40

Picklist Print

Page 2

March-16-12 3:15:00 PM

Work Order ID: 81723

81723

Parent Item: D205-770-011

D205-770-011

Parent Item Name: Replacement Engine Mount

Start Date: 16/03/2012

Required Date: 23/04/2012

Start Qty: 2.00

Required Qty: 2.00

AN3C12A

Purchased

No

110

Each

294.0000

2 4

**

AN3C12A

Bolts

Location

Loc Qty

Loc Code

GA

50

120449

50

ST351

244

117514

4

118112

5

118451

22

119510

1

120423

212

MS21043-3

Purchased

No

110

Each

806.0000

2 4

**

MS21043-3

Nut

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

304

120693

304

ST301

430

118077

2

118614

378

118686

30

119758

20

D3685-041

Manufactured

No

110

Each

0.0000

1 2

**

D3685-041

BIPOD MOUNT ASSEMBLY

12-04-10

March-16-12 3:15:00 PM

Shop Packet Print

Page 2

Picklist Print

Page 3

March-16-12 3:15:00 PM

Work Order ID: 81723

81723

Parent Item: D205-770-011

D205-770-011

Parent Item Name: Replacement Engine Mount

Start Date: 16/03/2012

Required Date: 23/04/2012

Start Qty: 2.00

Required Qty: 2.00

D3686-041

Manufactured No

110

Each

2.0000

L 1 2
**

SP

B82903

D3686-041

MONOPOD ASSEMBLY

Location

Loc Qty

Loc Code

ST077

2

77303

1

78054

1

1 X
1 X

March-16-12 3:15:00 PM

Shop Packet Print

Page 3

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D205-770 REV. C
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D205-770 REV. 2

REF. TCCA STC: SH08-8

REF. FAA STC: SR02690NY / SR02070SE

REF. EASA STC: EASA.IM.R.S.01528

1.0 PURPOSE

On D205-770-011 Replacement Engine Mount Kits at CHG 004 or later, the AN3C12A Bolts on the bottom of the D3686-041 Monopod Assembly are replaced with MS21250-03014 Bolts to prevent premature bolt failure in service. Customers with D205-770-011 Replacement Engine Mount Kits at CHG 003 or earlier are encouraged to procure the DSI 9571-011 Kit from Dart to upgrade their existing kits.

2.0 INSTALLATION

- 2.1 Temporarily suspend the weight of the engine using appropriate hoist and engine sling.
- 2.2 Unfasten qty(2) AN3C12A Bolts as shown in Figure 1 of this service instruction. Retain the D3692-1 Spacers and discard the AN3C12A Bolts and MS21043-3 Nuts.
- 2.3 Inspect the bearings for looseness in accordance with Section 5.1 of ICA-D205-770.
- 2.4 Install the MS21250-03014 Steel Tension Bolts, D3692-1 Spacers and MS21042-3 Nuts as shown in Figure 2 and ensure that the D3692-1 Spacers are correctly oriented along the face of the stud.
- 2.5 Torque bolts to 20 to 25 in-lbs (2.3 to 2.8 N-m).
- 2.6 Remove hoist and engine sling.

3.0 PARTS LIST

Qty -011	Part Number	Description
X	DSI 9571-011	BOLT SUBSTITUTION KIT
2	MS21042-3	NUT (OR MS21042L3)
2	MS21250-03014	STEEL TENSION BOLT

4.0 WEIGHT & BALANCE

This change has negligible effect on weight and balance

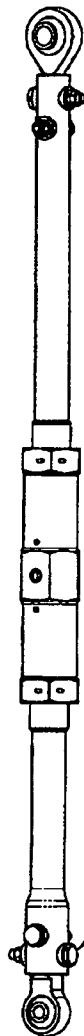
SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT

WITHOUT NOTICE
WORK ORDER
NO. 81723 MLJ

12/03/16

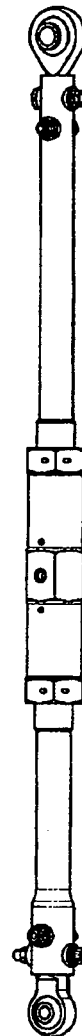
CANADA DEPARTMENT OF TRANSPORT AIRCRAFT CERTIFICATION BRANCH DAO # 01-Q-01	
APPROVED BY: <u>[Signature]</u> D. SHEPHERD (DE # 02)	
DATE:	11.11.28
CERT. NO.:	SH08-8
ISSUE NO.:	1

B	PRODUCT IMPROVEMENT: PERMANENT CHANGE. (REF. NCR11-754)		MB	11.11.23
A	NEW ISSUE		MB	11.09.06
REV.	DESCRIPTION		BY	DATE
DESIGN	[Signature]		DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	[Signature]		DRAWING NO. DSI 9571	
CHECKED	[Signature]		REV. B SHEET 1 OF 2	
MFG. APPR.	N/A		TITLE BOLT SUBSTITUTION	
APPROVED	[Signature]		SCALE NTS	
DE APPR.	[Signature]		COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	
DATE	11.11.23			



AN3C12A BOLT
D3692-1 SPACER, 2X
MS21043-3 NUT
2 PL

FIGURE 1 (WAS)



MS21250-03014 BOLT
D3692-1 SPACER, 2X
MS21042-3 NUT
2 PL

FIGURE 2 (IS)

81723

CANADA
DEPARTMENT OF TRANSPORT
AIRCRAFT CERTIFICATION
BRANCH
DAO # 01-O-01

APPROVED

BY: *[Signature]*
D. SHEPHERD (DE # 02)

DATE: 11.11.28
CERT. NO.: SH08-B
ISSUE NO.: 1

DESIGN	<i>[Signature]</i>	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	<i>[Signature]</i>		
CHECKED	<i>[Signature]</i>	DRAWING NO.	REV. B
MFG. APPR.	<i>[Signature]</i>	DSI 9571	SHEET 2 OF 2
APPROVED	<i>[Signature]</i>	TITLE	SCALE
DE APPR.	<i>[Signature]</i>	BOLT SUBSTITUTION	NTS
DATE	11.11.23	COPYRIGHT © 2011 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

DART AEROSPACE LTD.

REFERENCE ONLY

IIN-D205-770

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4. WEIGHT AND BALANCE

The following is the net weight increase associated with the D205-770-011 Kit.

Installation	Weight	LATERAL		LONGITUDINAL	
		Arm	Moment	Arm	Moment
D205-770-011	14.6 lb	-3.5 in	-51.1 in-lb	107.8 in	1574 in-lb
Replacement Engine Mount Kit	6.62 kg	-0.09 m	-0.6 m-kg	2.74 m	18.1 m-kg

5. PARTS LIST

Qty-011	Part Number	Description
X	D205-770-011	REPLACEMENT ENGINE MOUNT KIT
1	D3684-041	TRIPOD MOUNT ASSEMBLY
1	*D3684-043	MOUNT ASSEMBLY
8	**D3692-1	SPACER
4	**AN3C-12A	BOLT
4	**MS21043-3	NUT
1	**D3687-1	MOUNT
1	**D3684-047	FWD LEG ASSEMBLY
1	***D3688-1	STUD
1	***D3689-1	SLEEVE
1	***D3691-1	STUD
4	***D3692-1	SPACER
1	***D3693-1	ROD END BEARING
2	***AN3C-12A	BOLT
2	***MS21043-3	NUT
1	***NAS509-12C	NUT
1	***NAS509L-12C	NUT
1	**D3684-049	AFT LEG ASSEMBLY
1	***D3688-3	STUD
1	***D3689-1	SLEEVE
1	***D3691-1	STUD
4	***D3692-1	SPACER
1	***D3693-1	ROD END BEARING
2	***AN3C-12A	BOLT
2	***MS21043-3	NUT
1	***NAS509-12C	NUT
1	***NAS509L-12C	NUT
1	*D3684-045	INBOARD LEG ASSEMBLY
1	**D3688-5	STUD
1	**D3689-1	SLEEVE
1	**D3691-1	STUD
4	**D3692-1	SPACER
1	**D3693-1	ROD END BEARING
2	**AN3C-12A	BOLT
2	**MS21043-3	NUT
1	**NAS509-12C	NUT
1	**NAS509L-12C	NUT
4	**D3692-1	SPACER
2	*AN3C-12A	BOLT
2	*MS21043-3	NUT

continued next page...

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Revision: C

Date: 10.05.20

DART AEROSPACE LTD.

REFERENCE ONLY

IIN-D205-770

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continued from previous page...

Qty -011	Part Number	Description
1	D3685-041	BIPOD MOUNT ASSEMBLY
1	*D3687-3	MOUNT
1	*D3684-047	FWD LEG ASSEMBLY
1	**D3688-1	STUD
1	**D3689-1	SLEEVE
1	**D3691-1	STUD
4	**D3692-1	SPACER
1	**D3693-1	ROD END BEARING
2	**AN3C-12A	BOLT
2	**MS21043-3	NUT
1	**NAS509-12C	NUT
1	**NAS509L-12C	NUT
1	*D3684-049	AFT LEG ASSEMBLY
1	**D3688-3	STUD
1	**D3689-1	SLEEVE
1	**D3691-1	STUD
4	**D3692-1	SPACER
1	**D3693-1	ROD END BEARING
2	**AN3C-12A	BOLT
2	**MS21043-3	NUT
1	**NAS509-12C	NUT
1	**NAS509L-12C	NUT
8	*D3692-1	SPACER
4	*AN3C-12A	BOLT
4	*MS21043-3	NUT
1	D3686-041	MONOPOD ASSEMBLY
1	*D3688-7	STUD
1	*D3689-1	SLEEVE
1	*D3691-1	STUD
4	*D3692-1	SPACER
4	*D3692-3	SPACER
1	*D3693-1	ROD END BEARING
1	*D3693-3	ROD END BEARING
2	*AN3C-10A	BOLT
2	*AN3C-12A	BOLT
4	*MS21043-3	NUT
1	*NAS509-12C	NUT
1	*NAS509L-12C	NUT

(NOTE: PARTS IN BOLD TYPE CONSTITUTE PICK LIST FOR D205-770-011 KIT)

* PART IS INCLUDED WITH ASSEMBLY ABOVE

** PART IS INCLUDED WITH ASSEMBLY ABOVE

*** PART IS INCLUDED WITH ASSEMBLY ABOVE

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